# Roadie X10

## Engineered for Life on the Road

Christie's Roadie X10, the first purpose-built multi-media projector for large audiences, has broken the light barrier. Taking full advantage of the relationship with our parent company Ushio, a leading manufacturer in lamp technology and design, the Roadie X10 delivers a staggering 10000 ANSI lumens by way of a new 1.9kW Ushio Xenon short-arc illumination system.

Utilizing 3-chip DLP™ technology, the X10 delivers brilliantly vivid XGA images with picture-perfect color reproduction. A level of image quality that is further improved by the ability to accept serial digital video and reproduce this data with the accuracy of a fully digital solution.

Combined with innovations such as Christie's `Intelligent Lens System' (ILS™), which allows the projector to automatically recall lens position and source parameters upon changing source, the X10 represents the cutting edge of large audience projection. Greater lens offset capabilities and a tilt adjustment feature for improved top and bottom focus uniformity, provide even greater flexibility when positioning the X10.

All these benefits combine to extend greater control and ease of use, reducing set-up time and saving you money. Complemented by a wide range of optional accessories, the X10 can overcome the most rigorous projection demands and ensures your events score a "perfect 10" with your audience every time.

- **10000 ANSI lumens at 1.9kW operation**
- **Revolutionary 3-chip, XGA DLP™ technology**
- **>90% Brightness uniformity**
- **Ease of set-up, no convergence necessary**
- **Built-in shutter**
- **Intelligent Lens System (ILS™)**
- **Greater lens offset capabilities and tilt adjustment for focus uniformity**
- **Dynamic scaling – horizontal and vertical adjustment for video and data**
- **Rugged, self-stacking chassis design**
- **Exclusive motorized zoom, focus, H/V lens offset**

## APPLICATIONS

- Tradeshows, exhibitions
- Auditoriums and churches
- Concerts
- Casinos, theme parks and museums

CHRISTIE

*Project. Present. Perform.*

# Roadie X10 • Specifications

### Brightness
- 10000 ANSI lumens at 1.9kW operation (typical)
- Over 90% brightness uniformity across the screen

### Contrast Ratio
- Greater than 250:1 ANSI, greater than 400:1 full field

### Resolution/Digital Processing
- 3-chip 1.1" DMD™, (Digital Micromirror Device) system
- True XGA 1024 x 768 chip resolution
- 13-bit user selectable gamma table
- More than 1 billion displayable colors

### Dynamic Scaling
- Resizing capabilities to scale down from 1600 x 1200 and up from 640 x 480 to SXGA resolution
- Slot for an optional input module
- Full compatibility with third-party switchers

### HDTV/DTV Compatibility
- Full HDTV/DTV compatibility on analog RGB/YPbPr inputs
- Accepts 480i, 480p, 576i, 576p, 720p, 1035i, and 1080i formats at all applicable frame/field rates
- Accepts 1080p at 24, 25 and 30Hz frame rates
- Optional HDTV Serial Digital Input Module

### Various Keypads
- Standard hand-held IR backlit remote keypad, front and rear infrared sensors
- Built-in backlit keypad
- Color temperature adjustment range: 32000K to 93000K
- User replaceable lamp within 5 minutes
- Typical lifetime: 1000 hours

### Variable Lamp Power Supply
- User adjustable lamp power, levels as low as 1000W

### Power Requirements
- Line voltage 220 VAC to 240 VAC +/- 10% @ 50/60Hz
- Power consumption: 2800W maximum
- Thermal dissipation: 9500 BTU/hr

### Size and Weight
- 225 lbs (102 kg)
- 29" W x 54" L x 16" H
- 73.6cm W x 137.16cm L x 40.64cm H

## FEATURES

- *Greater than 10000 ANSI lumens with a unique 1.9kW Xenon illumination system.*

- *The first purpose-built multi-media projector, delivering brilliant vivid XGA images.*

- *Dynamic scaling - horizontal and vertical adjustment for video and data.*

- Independent horizontal and vertical size adjustment for graphics and video inputs

### Horizontal Frequency Range
- 15 to 120kHz

### Vertical Frequency Range
- 24 to 120Hz

### Field Interchangeable Optional Lenses
- Fixed short throw lens XGA 0.8:1
- Short zoom XGA lens 1.5 2.5: 1 becomes 1.2-2:1
- Zoom XGA lens 2.5-4:1 becomes 2-3.2:1
- Zoom XGA lens 4-7:1 becomes 3.2-5.6:1
- Screen size 1.5m - 12.2m (5ft - 40ft) diagonal

### Power Lens Mount
- Fully-motorized (with manual override) lens focus, zoom, horizontal and vertical offset
- Unique ILS™ (Intelligent Lens System) – Lens position (zoom, focus, horizontal and vertical offset) is automatically recalled during channel switching
- Lens mount tilt adjustment
- Built-in light shutter

### Inputs
- Built-in RGB/YUV/YPbPr inputs allowing separate H and V syncs, composite sync and sync-on-green/luma (5 BNC connectors)
- Multi-standard Video Decoder Module (NTSC 3.58, NTSC 4.43, PAL, PAL 60, PAL M, PAL N, SECAM) with one composite video input (BNC and RCA connectors) and one S-video input (two BNC and 4-pin mini-DIN connectors)
- Optional RS422 two-way remote controller with LCD display using 6-pin XLR connector with range of 600ft (183m)
- Optional wired backlit remote keypad with 3-pin XLR connector

### Control/Networking
- Third party control system and switcher compatibility
- Dual RS232 ports for computer control, with loop-through for connection of multiple projectors
- Dual RS422 ports for connection of optional LCD two-way controllers and loop-through to multiple projectors up to 600ft (183m)

### Diagnostics
- Built-in LCD diagnostic display indicates operational status and error messages
- Power and Status LED
- Full diagnostics through RS232 9-pin D connector

### Graphical User Interface
- Auto set-up feature
- "Direct Access" intuitive user interface for complete projector control in 5 world languages
- On-screen user movable menus to fit different image aspect ratios (4:3, 5:4, 16:9, etc.)
- On-screen help menus
- 100 channel memories
- Auto power feature

### Lamp Specification/Color Temperature
- 1900W SHB Xenon illumination system
- Constant color temperature over the lamp life

### Standard Accessories
- IR remote keypad with batteries
- User manual with warranty card

### Optional Accessories
- Serial Digital Input (SMPTE 259M/CCIR 601) with loop-through feature
- Digital HDTV Input module (with loop-through feature) compatible with all known HDTV formats
- PanelLink™ Input module
- Compatible with all Marquee Input modules
- RS422 two-way remote LCD controller
- Replacement lamp module
- Remote infrared sensor
- Service manual
- Librarian communication software
- Transit case

### Regulatory Approvals
- CSA, UL and European safety approvals
- North American and European EMI/EMC approvals

### Warranty
- Two years parts and labor
- Accessories: 90 days

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Due to constant research, specifications are subject to change without notice.

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